

Ara

LED Flood Light

Project _____

Catalog _____

Type _____

Date _____

Product Description

The Ara LED Flood Light offers high performance and clean, uniform light distribution in a compact design. The Ara is available in four wattages and features a long-lasting driver with a highly efficient LED engine for precise optical control. The included knuckle mount has a range of 0 to 90-degrees, making it easy to enhance the aesthetics of any exterior environment, including landscapes, display signage, building facades, common areas, pathways, and other open spaces where illumination or accent lighting are required.

Construction

- Die-cast aluminum housing routes heat away from electrical components
- Stainless steel hardware
- Fine-textured, UV-stabilized powder coat bronze finish

Optical System

- Impact-resistant polycarbonate lens creates uniform light distribution
- NEMA 7H x 7V distribution
- Utilizes advanced LED technology and available in 3000K (on select models), 4000K and 5000K
- Standard 80 CRI to improve safety and color definition

Electrical

- Input voltage of 120-277VAC
- Power factor: >0.9
- THD < 20%
- Operating temperature range: -40° to 122°F (-40° to 50°C)

Mounting and installation

- Knuckle
 - ½" threaded connector with locking nut
 - Adjustment range of 0° to ±90°
- Yoke
 - Configured for a variety of mounting patterns
 - Adjustment range of 0° to ±90°
 - Not available on 12W fixture
- For installations where power surge may be possible, NICOR recommends installing additional surge protection at the electrical distribution panel

Listings

- LM-79, LM-80 testing performed in accordance with IESNA standards
- UL/cUL1598 Listed for wet locations
- IP65 Rated
- RoHS Compliant
- Meets FCC Part 15, Subpart B, Class A standards for conducted and radiated emissions
- TM-21 Reported L70(9k) life >50,000 hours

Warranty

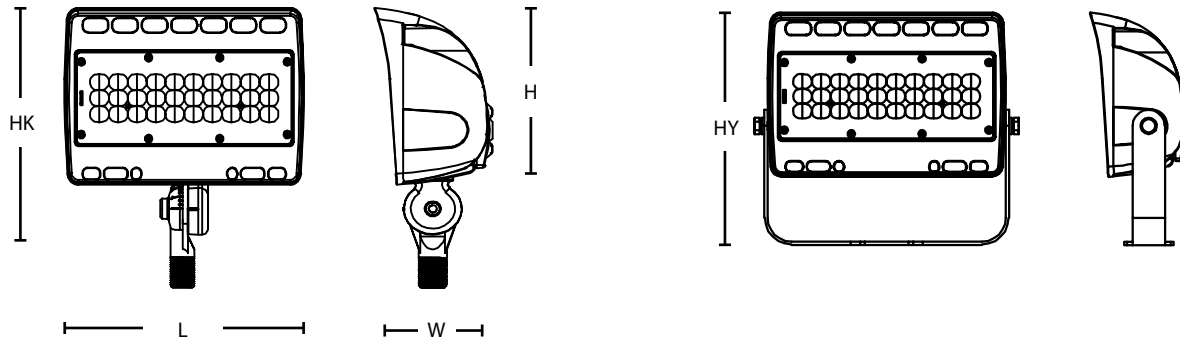
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge)



OFL2
12W, 30W, 50W
Flood Light



Dimensions



	12W	30W	50W
Fixture Length (L)	4.7 in (120 mm)	6.9 in (175 mm)	8.6 in (218 mm)
Fixture Width (W)	2.6 in (66 mm)	3.1 in (78 mm)	3.5 in (90 mm)
Fixture Height (H)	3.3 in (83 mm)	4.8 in (121 mm)	5.9 in (151 mm)
Height w/ Knuckle (HK)	6.0 in (153 mm)	8.4 in (213 mm)	9.4 in (239 mm)
Height w/ Yoke (HY)	N/A	7.2 in (183 mm)	8.4 in (214 mm)

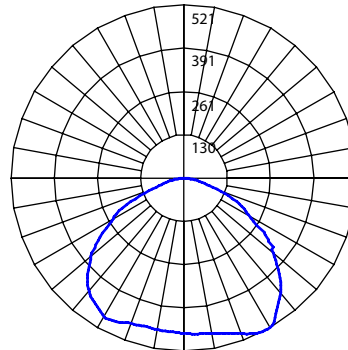
Photometric Data

OFL12 5000K

Input Voltage (VAC)	120-277
System Level Power (W)	11.7
120V Current (A)	0.10
277V Current (A)	0.04
Delivered Lumens (Lm)	1302
System Efficacy (Lm/W)	109.4
Correlated Color Temp (K)	5043
Color Rendering Index (CRI)	84
Beam Angle	7H x 6V
Spacing Criteria (0-180)	1.18
Spacing Criteria (90-270)	1.54

Intensity Summary (Candle Power)

Angle	Mean CP
0	469
5	467
15	457
25	445
35	418
45	362
55	238
65	119
75	42
85	5
90	0



Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	380	29.2%
0-40	643	49.3%
0-60	1130	86.7%
0-90	1302	100%
90-180	0	0%
0-180	1302	100%

CCT Data Multiplier

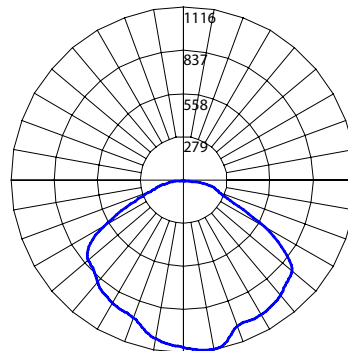
OFL2050MV30	0.951
OFL2050MV40	0.976

OFL30 5000K

Input Voltage (VAC)	120-277
System Level Power (W)	28.9
120V Current (A)	0.24
277V Current (A)	0.10
Delivered Lumens (Lm)	3229
System Efficacy (Lm/W)	111.7
Correlated Color Temp (K)	5043
Color Rendering Index (CRI)	84
Beam Angle	7Hx7V
Spacing Criteria (0-180)	1.30
Spacing Criteria (90-270)	1.44

Intensity Summary (Candle Power)

Angle	Mean CP
0	1089
5	1080
15	1014
25	956
35	919
45	818
55	690
65	374
75	162
85	20
90	0



Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	831	25.7%
0-40	1405	43.5%
0-60	2646	82%
0-90	3226	99.9%
90-180	2	0.1%
0-180	3229	100%

CCT Data Multiplier

OFL2050MV40	0.976
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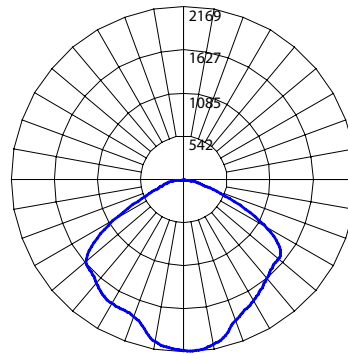
Fixture tested per LM-79-08. Photometric data is of the performance of a representative fixture. Results may vary in the field.

Photometric Data

OFL50 5000K

Input Voltage (VAC)	120-277
System Level Power (W)	50.7
120V Current (A)	0.42
277V Current (A)	0.18
Delivered Lumens (Lm)	5639
System Efficacy (Lm/W)	111.2
Correlated Color Temp (K)	5043
Color Rendering Index (CRI)	84
Beam Angle	7Hx7V
Spacing Criteria	1.17

Intensity Summary (Candle Power)	
Angle	Mean CP
0	2161
5	2136
15	1929
25	1701
35	1600
45	1401
55	1153
65	668
75	272
85	25
90	0



Zonal Lumen Summary		
Zone	Lumens	% of Luminaire
0-30	1532	27.2%
0-40	2530	44.9%
0-60	4635	82.2%
0-90	5630	99.9%
90-180	8	0.1%
0-180	5639	100%

CCT Data Multiplier	
OFL2050MV30	0.951
OFL2050MV40	0.976

Performance Data			
Model Number	Lumens	Watts	Lumens/Watt
OFL2012MV30	1238		105.8
OFL2012MV40	1271	11.7	108.6
OFL2012MV50	1302		109.4
OFL2030MV30	3071		106.3
OFL2030MV40	3152	28.9	109.1
OFL2030MV50	3229		111.7
OFL2050MV30	5363		105.8
OFL2050MV40	5504	50.7	108.6
OFL2050MV50	5639		111.2

Ordering Information						Example: OFL2030MV50BZK
Series	Version	Wattage	Voltage	CCTs	Finish	Mounting
OFL	2	012 (12 W)	MV (120-277)	30 (3000 K) ¹	BZ (Bronze)	K (Knuckle)
		030 (30 W)		40 (4000 K)		Y (Yoke) ²
		050 (50 W)		50 (5000 K)		

Specifications and dimensions subject to change without notice.

1) 3000K only available on 12W fixture and 50W fixture with Yoke only

2) Yoke not available on 12W fixture

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.